

L 33558-65 EWP(c)/EWP(k)/EWT(d)/EWT(m)/EWP(b)/T/EWP(l)/EWP(v)/EWP(t) Pf-4  
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ACCESSION NR AM4043709

BOOK EXPLOITATION

22  
Br/ S/

Speranskiy, Viktor Grigor'yevich; and Zabaluyev, Ivan Parfenovich

Quality control of electric steel (Kontrol'kachestva elektrostali), Moscow, Izd-vo "Metallurgiya", 1964, 199 p. illus., biblio. Errata slip inserted. 1,940 copies printed.

TOPIC TAGS: electric steel, quality control, steel melting 14

PURPOSE AND COVERAGE: The book discusses the organization of quality control at quality metallurgical plants. Especial attention is given to the basis of the regimes set by GOST's and technical specifications for the initial materials for the electric melting of steel. Brief information is given on the production of steel and its fabrication and the basic relation of the main metal defects to the conduct of this technology is discussed. The book is intended for workers in production shops, quality control laboratories, and central laboratories of metallurgical plants.

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Part 2. Production control

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OTHER: 000

Card 2/2

SPERANŠKIY, V.M., translator.

Chlorine dioxide bleaching and special bleaching agents. Translated  
by V.M.Speranski from "The Bleaching of Pulp", 1953. Sum.prom.31  
no.3:29-31 Mr '56. (MIRA 9:7)  
(Bleaching agents)

~~SPERANSKIY, V.M., translator.~~

Chlorine dioxide bleaching and special bleaching agents; translated by  
V.M.Speranskii from "The Bleaching of Pulp", 1953. Bum.prom.31 no.4:  
26-27 Ap '56. (Bleaching agents) (MIRA 9:7)

SPERANSKIY, V.M. translator; BARANOVA, N.A., translator.

Bleaching with chlorine dioxide and special bleaches; translated  
from English by V.M. Speranskii, N.A. Baranova. Bum.prom. 31  
no.6:26-28 Je '56. (MLRA 9:8)  
(United States--Chlorine industry)(Bleaching agents)

SPERANSKIY, Vladimir Mikhaylovich; ARENKOW, Anatoliy Borisovich;  
BLISKUNOV, N.A., kand.tekhn.nauk, red.; KHIVRICH, Ye.D.,  
red.izd-va; PARAKHINA, N.L., tekhn.red.

[Ultrasonic chemistry and cellulose] Zvukokhimiia i tsellu-  
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(MIRA 14:12)

(Cellulose)

(Ultrasonic waves--Industrial applications)

SPERANSKIY, V.M., inzh.

Application of ultrasonic waves in fabric dyeing in the United States.

Tekst. prom. 21 no.1:83-84 Ja '61.

(MIRA 14:3)

(United States--Dyes and dyeing--Textile fibers)

1. KASATKIN, S.N.; SPERANSKIY, V.S.
2. USSR (600)
4. Anatomy, Human
7. Leonardo da Vinci as anatomist; 500th anniversary of his birth, S.N. Kasatkin, V.S. Speranskiy, Arkh.anat.gist.i embr. 30 no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.



KASATKIN, S.N., professor; SPERANSKIY, V.S., kandidat meditsinskikh nauk.

"Problems in morphology nervous system"; a collection. Reviewed by  
S.N. Kasatkin, V.S. Speranski. Arkh.anat.gist. 1 embr. 32 no.1:  
Ja-Mr '55. (MLRA 8:9)  
(NERVOUS SYSTEM)

KASATKIN, S.N.; SPERANSKIY, V.S.

Anatomists in the Ukraine; 300th anniversary of the reunification of the Ukraine with Russia. Arkh.anat.gist. 1 embr.  
32 no.1:77-82 Ja-Mr '55. (MLRA 8:9)

1. Iz kafedry normal'noy anatomii Stalingradskogo meditsinskogo  
instituta (zav.prof. S.N. Kasatkin)  
(ANATOMY, history,  
in Russia)

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review of the study plan and program. Arkh. anat. gist. i embr.  
32 no.4:90-95 O-D '55. (MLRA 9:5)

1. Iz kafedry normal'noy anatomii Stalingradskogo meditsinskogo  
instituta (zav. kaf.-prof. S.N. Kasatkin)  
(ANATOMY, education,  
in Russia)

KASATKIN, S.N. (Stalingrad, Prospekt Lenina, d. 15, kv. 151); SPERANSKIY, V.S.

"Problems in anatomy and operative surgery," no.1. Reviewed by  
S.N. Kasatkin, V.S. Speranskiy. Arkh.anat.gist.i embr. 36 no.1:  
109-110 Ja '59. (MIRA 12:3)  
(ANATOMY, SURGICAL AND TOPOGRAPHICAL)

SPERANSKIY, V.S., dotsent (Stalingrad, 57, ul. Khlebnaya, d. 33, kv. 4)

Zonal and segmental anatomy of the lungs. Vest. rent. i rad. 36  
no. 2:55-59 Mr-Apr '61. (MIRA 14:4)

1. Iz kafedry normal'noy anatomii (zav. - prof. S.N. Kasatkin)  
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(LUNGS)

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Arkh. anat., gist. i embr. 43 no.11:29-44 N '62.

(MIRA 17:8)

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nauki RSFSR prof. S.N. Kasatkin) Volgogradskogo meditsinskogo  
instituta.

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"Filoontogeneticheskaya klassifikatsiya nepostoyannykh shvov mozgovogo cherepa."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.



GRIGORENKO, N.P., kand. med. nauk, otv. red.; LEONOV, A.N.,  
zam. otv. red.; SPERANSKIY, V.S., dots. red.; ZHERDIN,  
I.V., prof., red.; KARPOVA, L.P., dots., red.; PETROV,  
K.M., zasl. vrach RSFSR, red.; KARPOVA, P.V., kand. med.  
nauk, red.

[Papers on the anatomy of the circulatory system] Sbornik  
nauchnykh rabot po anatomii krovenosnoi sistemy. Volgo-  
grad, Nizhne-Volzhskoe knizhnoe izd-vo, 1964. 2 v.  
(MIRA 18:12)

1. Volgograd. Meditsinskiy institut. 2. Glavnyy vrach  
Oblastnogo onkologicheskogo dispansera Volgogradskogo  
meditsinskogo instituta (for Petrov). 3. Kafedra normal'-  
noy anatomii Volgogradskogo meditsinskogo instituta (for  
Grigorenko, Speranskiy).

SPERANSKIY, V.S., dotsent

Bronchopulmonary segments and pulmonary vessels in domestic animals.  
Cesk. morf. 12 no.4:373-388 '64.

1. Kafedra normal'noy anatomii Volgogradskogo medinstituta (zav. kafedroy zasluzhennyy dayatel' nauki RSFSR prof. S.N. Kasatkin).

SHUL'YE, Yu.A., doktor tekhn.nauk; GLADKIY, S.I., inzh.; SPERANSKIY,  
V.S., inzh.

Effect of the teeming temperature on properties of cast steel.  
Mashinostroenie no.6:43-44 N=D '62. (MIRA 16:2)

1. Zaporozhskiy mashinostroitel'nyy institut.  
(Steel castings--Testing)

SPERANSKIY, V.Yu.

Transporting parts and materials for Compressor Station - 7.  
Stroi. truboprov. 9 no.1:20-21 Ja '64. (MIRA 17:3)

1. Stroitel'nyy uchastok No.2 Vostoknefteprovodstroy, Kungrad.

SPERANSKIY, V.Yu.

Two-shift organization of pipe laying and insulating operations.  
Stroi. truboprov. 10 no.9:23 S '65. (MIRA 18:9)

1. SU-2 tresta Vostoknefteprovodstroy, Kungrad.

POLOVENKO, I.S., kand. ekon. nauk.; SHIMKO, N.I., agronom-ekonomist;  
ARTYKOV, A., BORISOV, V.A., GONCHAROV, A.I., KLOTS, Ye.A., SPERANSKIY,  
V.Z., SHAPIRO, L.L.; KALASHNIKOVA, V.S., red.; BALLOD, A.I., tekhn. red.

[Experience in introducing a new procedure in planning] Opyt.  
vnedreniya novogo poriadka planirovaniia. Moskva, Gos. izd-vo  
sel'khoz. lit-ry, 1958. 308 p. (MIRA 11:11)  
(Agriculture)

3. Handbook for consumers of petroleum products 2. ed. . . . .

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SPERANSOV. NIKOLAI NIKOLAYEVICH.

Meiteknozyaystvo MTS I sovkmoynov  
Petroleum Economy of Machine Tractor  
Stations and State Farms Moskva,  
Sel'khozgis 1950  
303 p. Tables, Diags. (Uchebmini I Uchibnyye pososiya Dlya Podeotovwi  
Sel'knozhoztaistvehnyka Kadrov  
Massovoy Kvalifikatsii)



GREPANSOV, I.

"The Oil Storage Space of a Tractor Brigade," (Neftekhranilishche Traktornoy  
Brigady), published in Moscow Publishing House of the Ministry of Agriculture,  
March 1954.

excerpts in D 102911

SPERANSOV, NIKOLAY NIKOLAYEVICH

SPERANSOV, Nikolay Nikolayevich; GAVRILOV, F.P., redakter; SOKOLOVA, N.N.,  
tekhnicheskiiy redakter.

[Fuels and lubricants] Geriuchie i smazochnye materialy. Moskva,  
Gos. izd-vo sel'khoz. lit-ry, 1954. 455 p. (MLRA 7:7)  
(Petroleum) (Lubrication and lubricants) (Oil reclamation)

SPERANSOY, Nikolay Nikolayevich; SHEVELEV, F.N., redaktor; BALLOD, A.I.,  
tekhnicheskii redaktor.

[Organization and management of the use of petroleum products by  
the tractor brigade] Organizatsiia i ekspluatatsiia neftekhosiai-  
stva traktornoj brigady. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956.  
191 p. (MIRA 9:6)

(Petroleum products) (Tractors)

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SOV/65-60-3-13/19

AUTHORS: Mikhlin, V. M., Speransov, N. N.

TITLE: Determining Abrasive Impurities in Petroleum Products

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1960, Nr 3,  
pp 57-61 (USSR)

ABSTRACT: The described method uses two plates, one of blued steel and the other of cardboard, between which a sample of the petroleum product is placed. When the plates are rubbed against each other the abrasive impurities in a given petroleum product remove the dark oxide film from the metal plate. Since the polished (light) area of the metal plate is proportional to the amount of the abrasive admixtures, one can plot a calibrated curve and determine the concentration of the abrasive admixtures in petroleum products. The best results are obtained when the

test is made at 18-20°. There are 4 figures; 1 table; and 2 references, 1 Soviet, 1 U.S. The U.S. reference is: Zweifel, H. C., ASTM Symposium, Nr 84, 20 (1948).

ASSOCIATION: All-Union Scientific Research Institute of Mechanization  
of Agriculture (VIM) Card 1/1

SPERANSOV, N.N.; KUPTSOVA, Z.V., red; SAYTANIDI, L.D., tekhn. red.

[Safety techniques on tank farms] Tekhnika ~~bez~~opasnosti na  
neftebazakh i neftekhranilishchakh. Moskva, Izd-vo M-va  
sel'.khoz. RSFSR, 1961. 15 p. (MIRA 15:2)  
(Petroleum--Storage)

ARDASHEV, Gavriil Romanovich; BAZAROV, I.V.; MIKHAYLOV, I.N.; MORSHIN,  
A.V.; POLOTSKIY, I.V.; HUDENKO, A.I.; SITNIKOV, A.P.; SPERANSOV, N.N.;  
KRYUKOV, V.L., red.; DEYEVA, V.M., tekhn.red.

[Maintenance of tractors and agricultural machinery] Tekhnicheskoe  
obsluzhivanie traktorov i sel'skokhoziaistvennykh mashin. Moskva,  
Gos.izd-vo sel'khoz.lit-ry, 1961. 470 p.

(MIRA 14:4)

(Tractors--Maintenance and repair)

(Agricultural machinery--Maintenance and repair)

SPERANSOV, N.N.; KUPTSOVA, Z.V., red.

[Safety measures in the manufacture of ethylated gasoline]  
Tekhnika bezopasnosti pri rabote s etilirovannym benzinom.  
Moskva, Izd-vo M-va sel'.khoz.RSFSR, 1961. 13 p.  
(MIRA 15:12)

(Gasoline—Safety measures)

SPERANSOV, Nikolay Nikolayevich; SHKOL'NIKOV, A.B., red.; BALLOD,  
A.I., tekhn. red.

[Use of petroleum products on state and collective farms]  
Neftekhosiaistvo sovkhov i kolkhozov. Moskva, Sel'khoziz-  
dat, 1962. 302 p. (MIRA 15:9)  
(Petroleum products) (Fuel) (Lubrication and lubricants)



SPERANSOV, Nikolay Nikolayevich; MUSATOV, V., red.

[How to prevent petroleum product losses] Kak predupre-  
dit' poteri nefteproduktov. Moskva, Mosk. rabochii, 1963.  
66 p. (MIRA 17:5)

Speranta, Cl.

RUMANIA / Chemical Technology, Chemical Products and Their  
Application, Part 3. - Treatment of Natural Gases and  
Mineral Oil, Motor and Rocket Fuel, Lubricants.

H-23

Abs Jour : Ref Zhur - Khim., No 14, 1958, No 48061.

Author : Cl. Speranta, Gh. Andreescu.

Inst :

Title :

Upon the Improvement of Some Processes of Catalytic Alkylat-  
ion.

Orig Pub : Petrol si gaze, 1956, 1956, 7, No 12, 639 - 646.

Abstract : The improvement of the sulfuric acid process of olefin  
alkylation by isobutane (I) in modern installations con-  
sists in cooling the mixture after contacting and separe-  
ting  $H_2SO_4$  in order to return it into the reactor, in  
consequence of which a great excess of I is produced for  
recirculation without supplying it to a special separating  
column. The excessive I rises the alkylate yield, decreases

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x  
NASTASE, Gj., Dr.; SPIRANTA, Gh., dr.

Three case reports of exanthematous lupus erythematosus.  
Med. int., Bucur. 7 no.4:72-76 Oct-Dec 55.

1. Clinica dermato-vener., Iasi.  
(LUPUS ERYTHEMATOSUS, DISSEMINATED, case reports  
three exanthematous cases)

NASTASE, Gh., Prof.; SPERANTA, Gh., dr.; CARNIOL, M., dr.; LAZAR, M., dr.;  
CAHANE, G., dr.; MARCOLESCU, D., dr.

Studies of some serum antihyaluronidases in skin cancer.  
Med. int., Bucur. 8 no.2:235-240 Apr-May 56.

1. Lucrare facuta in clinica dermato-sifiligrafica, Iasi.  
(HYALURONIDASE, antagonists  
in blood of skin cancer patients)  
(SKIN NEOPLASMS, blood in  
antihyaluronidases)

EXCERPTA MEDICA Sec 13 Vol 13/5 Dermatology May 59

1065. THE CONCEPT OF 'AUTO-AGGRESSION DISEASE' IN DERMATOLOGY -  
Conceptia 'bolii prin autoagresiune' in dermatologie - Speranța Gh.  
Clin. de Derm. Venerol. I.M., Iasi - DERM. VENER. (București) 1958, 3/2  
(175-185)

EXCERPTA MEDICA Sec 13 Vol 13/5 Dermatology May 59

1117. SOME ASPECTS OF OCCUPATIONAL DISEASES IN AN ANTIBIOTIC FACTORY - Contributuni asupra unor aspecte de boli profesionale intr-o fabrică de antibiotice - Nastase Gh., Speranta Gh. and Mărculescu D. - REV. MED. CHIR. IAȘI 1958, 62/1 (11-16)

Preliminary notes on occupational dermatoses in a penicillin factory. The intradermal test with penicillin was positive in 3.75% of those working in departments where penicillin was handled but who had never presented skin lesions, whereas positivity was observed in 16.6% of the workers who did present skin manifestations. This implies that not all of these skin manifestations were based on sensitization to penicillin, the more so as a number of skin eruptions were observed in workers who had had no contact with penicillin. No skin-sensitizing action of the substances employed for the purification of penicillin (butyl alcohol) was demonstrated by the tests. Most of the dermatoses originated in departments engaged in assay and crystallization of the antibiotic. In 1 case, the presence of *Candida albicans* was demonstrated in rhinopharyngeal cultures; this is explained as a result of suppression of antagonistic microorganisms.

Pecurariu - Orasul Stalin (L,2,13,17)

2.1. 1. 1. 1.

Sperantov, I. V. "The cost of transportation over a continually varying distance", in the collection entitled: Voprosy yernogo dela, Moscow, 1941, p. 455-56.

SO: U-2000, 12 Feb. 53, (Letopis' Zhurnal 'nyke Statey, No. 2, 1949).

1ST AND 2ND CROSSL										3RD AND 4TH CROSSL									
PROCESSES AND PROPERTIES INDEX																			
<p><b>F</b> 3905. <b>PROBLEMS RELATED TO TYPES OF SCRAPER CONVEYORS USED IN COLLIERIES.</b> Sperantov, A. V. (Ugol (coal) Nov. 1950, 24-25) The variability of mining condition limits the possibilities for scraper conveyors. Special types should be adapted for use in conjunction with mechanized support setting, overhanging support, and the new coal-getting machines, which dictate an increase in the efficiency of transportation. When cutter-loaders are used the height of the conveyor frame should be reduced as well as the dead space required for mounting the driving and stretching devices. Characteristics for a scraper conveyor for use in thin seams would be:- (a) the driving device to be situated in the road to avoid the need for ripping the roof at the face and for shifting the drive after each cycle; (b) the profile of the sections should be small; (c) the loading height should be small; (d) the sections possess increased horizontal flexibility and should be low in height. New types of conveyors are required also for horizontal bank work in thick steep seams and the new light construction for use in driving roadways. A stepping conveyor for use in semi-steep formations as an alternative to lowering the coal under gravity would reduce disintegration and dust formation. Single chain disc conveyors</p>																			
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in connection with a diagonal orientation of the face would help in the tendency to lengthen faces. The characteristics required in the conveyor in view of the transition to mechanical shifting of separate parts of the conveyor are discussed. (L)

SPERANTOV, A.V.

Grade of gangways for coal and filling haulage. Trudy Inst.gor.  
dela 1:23-30 '54. (MLRA 7:12)  
(Coal mines and mining) (Mine haulage)

SPIVAKOVSKIY, A.O., professor; SPERANTOV, A.V., kandidat tekhnicheskikh nauk.

Increasing the efficiency of transporting back-filling materials in mines of the Southern Kuznetsk Basin. Ugol' 29 no.2:30-34 F '54. (MLRA 7:1)

1. Akademiya nauk SSSR. (Kuznetsk Basin--Coal mines and mining)

SPERANTOV, A.V.

Problems of hauling down filling materials from the surface to  
underground stopes. Trudy Inst.gor.dela no.2:49-54 '55.(MIRA 9:3)  
(Kuznetsk basin--Coal mines and mining)

SPERANTOV, A.V., redaktor; DMITRIYEVA, L.N., redaktor; ANDREYEV, G.G., tekhnicheskii redaktor.

[Mechanization of coal mining abroad] Mekhanizatsiya vyezki uгля za rubezhom. Sost. A. IU. Sakhovaler i G.G. Suotin. Moskva, Ugletekhnizdat, 1956. 100 p.  
(Coal mining machinery) (MLRA 9:5)

BARABANOV, Fedor Antonovich; KLORIK'YAN, Suren Kharenovich; ANTONOV,  
Aleksandr Sergeyevich; MOHOZOV, Roman Nikolayevich; SPEKANTOV,  
A.V., otv.red.; PROZOROVSKAYA, V.L., tekhn.red.; ALADOVA,  
Ye.I., tekhn.red.

[British coal industry] Ugol'naya promyshlennost' Anglii.  
Moskva, Ugletekhizdat, 1958. 172 p. (MIRA 12:3)  
(Great Britain--Coal mines and mining)

SPERANTOV, A.V.

Methods of calculating electric locomotive haulage in mine planning.  
Nauch. trudy MG I no. 20:242-247 '58. (MIRA 11:8)  
(Mine railroads)  
(Electric locomotives)

ALEKSANDROV, B.F., inzh.; BALYKOV, V.M., inzh.; BARANOVSKIY, F.I., inzh.;  
 BOGUTSKIY, N.V., inzh.; BUN'KO, V.A., kand.tekhn.nauk, dotsent;  
 VAVILOV, V.V., inzh.; VOLOTKOVSKIY, S.A., prof., doktor tekhn.nauk;  
 GRIGOR'YEV, L.Ya., inzh.; GRIDIN, A.D., inzh.; ZARMAN, L.N., inzh.;  
 KOVALEV, P.F., kand.tekhn.nauk; KUZNETSOV, B.A., kand.tekhn.nauk,  
 dotsent; KUSNITSYN, G.I., inzh.; LATYSHEV, A.F., inzh.; LEYBOV,  
 R.M., doktor tekhn.nauk, prof.; LEYTES, Z.M., inzh.; LISITSYN, A.A.,  
 inzh.; LOKHANIN, K.A., inzh.; LYUBIMOV, B.N., inzh.; MASHKEVICH,  
 K.S., inzh.; MALKHAS'YAN, R.V.; MILOSERDIN, M.M., inzh.; MITNIK,  
 V.B., kand.tekhn.nauk; MIKHEYEV, Yu.A., inzh.; PARAMONOV, V.I.,  
 inzh.; ROMANOVSKIY, Yu.G., inzh.; RUBINOVICH, Ye.Ye., inzh.;  
 SAMOYLYUK, N.D., kand.tekhn.nauk; SMEKHOV, V.K., inzh.; SMOLDY-  
 REV, A.Ye., kand.tekhn.nauk; SNAGIN, V.T., inzh.; SNAGOVSKIY,  
 Ye.S., kand.tekhn.nauk; FEYGIN, L.M., inzh.; FRENKEL', B.B., inzh.;  
 FURMAN, A.A., inzh.; KHORIN, V.N., dotsent, kand.tekhn.nauk; CHET-  
 VEROV, B.M., inzh.; CHUGUNIKHIN, S.I., inzh.; SHELKOVNIKOV, V.N.,  
 inzh.; SHIRYAYEV, B.M., inzh.; SHISHKIN, N.F., kand.tekhn.nauk;  
 SHPIL'BERG, I.L., inzh.; SHORIN, V.G., dotsent, kand.tekhn.nauk;  
 SHTOKMAN, I.G., doktor tekhn.nauk; SHURIS, N.A., inzh.; TERPIGOREV,  
 A.M., glavnyy red.; TOPCHIEV, A.V., otv.red.toma; LIVSHITS, I.I.,  
 zamestitel' otv.red.; ABRAMOV, V.I., red.; LADYGIN, A.M., red.;  
 MOROZOV, R.N., red.; OZERNOY, M.I., red.; SPIVAKOVSKIY, A.O.,  
 red.; FAYBISOVICH, I.L., red.; ARKHANGEL'SKIY, A.S., inzh., red.;  
 (Continued on next card)



SPERANTOV, N., kandidat tekhnicheskikh nauk; TURCHIKHIN, E.

Using radioactive isotopes in controlling production of packed  
slabs. Stroim. 2 no. 12:30-31 D '56. (MLRA 10:2)

1. Zaveduyushchiy laboratoriyey instituta im. V.V. Kuybysheva  
(for Turchikhin).

(Radioisotopes--- Industrial applications)  
(Building blocks)

SPERANTOV, N. A.

Sperantov, N. A., and Matveev, M. A. REFRACTORY ARTICLES FROM SIEMENS-MARTIN SLAG.  
U.S.S.R. Pat 51,765, Sept 30, 1937. --The ground slag is melted with  $\text{Na}_2\text{CO}_2$   
and sand in amounts assuring a total content of  $\text{SiO}_2$  in the mixture of 80 to  
2%, formed into articles and heated to  $900^\circ$  to  $500^\circ$

PRECEDENTS AND PROPERTIES INDEX		13	
<p><b>Manufacture of Russian mineral wool. N. Sperantov.</b>  <i>Novosti Tekhniki</i> 1940, No. 19, 14-15.—The charge consisting of clayey and dolomitic marls, coke and small amounts of flux is heated in a shaft furnace and every 10-50 min. small quantities of the melt are withdrawn in a thin stream. Steam and air at 12-14 atm. are directed upon the stream from a nozzle and the tiny droplets are carried at a speed of 600 m./sec. through small openings into a chamber to form threads. The wool contains glass droplets of 0.5 to 0.001 mm. Chem. compn. is close to that of American-made mineral wool. The wool had a sp. gr. of 30 kg./cu. m. B. Z. Kamich</p>			
<p>ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>1940-1949</p>			

SPERANTOV, N.A.; TYSSKIY, A.V.; GORYAYNOV, K.E., kandidat tekhnicheskikh nauk, redaktor; AVRUTSKAYA, R.F., redaktor; ATTOPOVICH, M.K., tekhnicheskii redaktor

[Mineral wool] Shlakovaya vata. Pod red. K.E. Goriainova. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 191 p. [Microfilm] (MLRA 7:10)  
(Mineral wool)

VOLKOV, M.I., prof.; IVANOV, F.M. kand. tekhn. nauk; KLIMASHEV, F.S., inzh.;  
KOROLEV, I.V., inzh.; KURDENKOV, B.I., inzh.; MYSHKOVSKAYA, S.A.,  
kand. tekhn. nauk; NEKRASOV, V.K., kand. tekhn. nauk; SPERANTOV, N.A.,  
kand. tekhn. nauk; YAKUNIN, O.A., inzh.; MOTYLEV, Yu.I., red.;  
LAKHMAN, F.Ye., tekhn. red.

[Metallurgical slags in road construction] Metallurgicheskie  
shlaki v dorozhnom stroitel'stve. Moskva, Nauchno-tekhn. izd-vo  
M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959.  
182 p. (MIRA 12:4)

(Road materials)

(Slag)

9,2572 (1139)

12971  
S/194/61/000/011/056/070  
D271/D302

AUTHORS: Bogatkova, O.M., Gershenson, Ye.M., Dombrovskaya, T.S., Puitsyna, N.G., Rozhkova, G.I., Sperantov, V.V. and Etkin, V.S.

TITLE: Single-circuit regenerative and super-regenerative parametric amplifiers with semiconductor diodes

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 11, 1961, 12, abstract 11 K91 (V sb. Poluprovodnik. pribory i ikh primeneniye, no. 6, M., Sov. radio, 1960, 41-62)

TEXT: Theoretical and experimental results are given of a study of single-circuit regenerative and super-regenerative parametric amplifiers with semiconductor diodes. The amplifier forward and reflex operation in a synchronous and biharmonic mode is considered. Results of the investigation into noise parameters of the diode are given. Experiments confirmed the analytical results. It

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Single-circuit...

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is shown that super-regenerative operation leads to considerable distortions of the received signal spectrum, but on the other hand it makes it possible to widen the amplifier bandwidth and to achieve greater stabilization of gain. 8 references. [Abstracter's note: Complete translation.] 7

Card 2/2

SOROKINA, Z.A.; SPERANTOVA, M.A.

Treatment of osteoarticular tuberculosis with streptomycin associated with PAS at a station and by a public health nurse. Probl. tuberk., Moskva no.3:27-30 May-June 1953. (CIML 25:1)

1. Of the Institute of Tuberculosis (Director -- Z. A. Lebedeva) of the Academy of Medical Sciences USSR.



SPERANTOVA, M.A.

Detection of bone tuberculosis in the early period of primary tuberculous infection in children and adolescents [with summary in French]. Probl.tub. 35 no.7:55-60 '57. (MIRA 11:2)

1. Iz dispansernogo sektora Instituta tuberkuleza AMN SSSR (dir. Z.A.Lebedeva)

(TUBERCULOSIS, OSTEOARTICULAR, in inf. and child  
early diag. of primary complex in child. & adolescents)

RUMENIL/General Problems of Pathology - Tumors. Human Tumors.

U.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 8889

Author : Nestase, G., Sperantse, G., Karniol, M., Lazer, M.,  
Kagane G., Merkulescu, D.

Inst : -

Title : Research on Certain Serum Anti-Hyaluronidases in Skin  
Cancer.

Orig Pub : Rumynsk. med. obozreniye, 1957, 1, No 2, 81-86

Abstract : No abstract.

Card 1/1

- 51 -

GUGUSHVILI, L.L., kand.med.nauk; NEVSKIY, V.A.; SPERBER, Yu.Ye.

Two cardiac wounds with opened cavities of both ventricles.  
Khirurgiia no.1:128-129 '62.

(MIRA 15:11)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V. Sklifosovskogo (dir. - zasluzhennyy vrach UkrSSR M.M. Tarasov, nauchnyy rukovoditel' - zasluzhennyy deyatel' nauki prof. B.A. Petrov).  
(HEART--WOUNDS AND INJURIES)

SPERCHER, I., ing.; NEGOTA, D.R., ing.

Obtaining and developing a pure culture of sediment for the  
manufacture of fodder yeast from residual bisulfite solutions  
at the Cellulose and Paper Plant, Zarnesti. Cel hirtie  
13 no.11/12:435-439 N-D '64.

SPERGER, V.

"Creation of standards for the consumption of electric energy in the  
Sazavan National Enterprise."

p. 127 (Kozarstvi) Vol. 6, no. 7, July 1956.  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958.

SPERLAGH, Sándor

Construction Industry in Sweden. Magyar ipar 14 no.3:154-161  
'65.

*SPERLEA E.*  
RUMANIA/Human and Animal Physiology - Liver.

T-8

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31906

Author : Torjescu, V., Pirvu, D., Parashiv, D., Aldea Elena.  
Sperlea Ecaterina.

Inst : -

Title : Serum Aldolase - Test for Differential Diagnosis of Liver Diseases.

Orig Pub : Viata med., 1957, 4, No 5, 82-88

Abstract : With the determination in 75 patients of virus hepatitis and in 25 patients of other diseases of the liver, an increase was established of 7-35, and sometimes of 98%, in the content of aldolase (an enzyme catalyst in the metabolism of carbohydrates processed by the liver) in serum, in the course of the second and third week of illness with virus hepatitis. Determination of aldolase is proposed as a test for the differential diagnosis of epidemic hepatitis.

Card 1/1

SPERLIN, M.

Mercury manometer for measuring the pressure of impure liquids up to 3.8 atm. press. p. 388. (Strojirenstvi, Vol. 7, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.



Sperling, E. S.

✓ 111. Investigations on the metal top rollers of cotton drawing frames. E. Sperling. *Magyar Textiltechnika*, 1955, No. 7, pp. 250-255, 3 figs., 3 tabs. 1

Made

More regular slivers can be produced with metal top rollers than by using rollers with elastic covering. The author's experiments tend to prove the above statement. The metal top rollers should bear against the cotton layer to ensure a more reliable grip and to reduce the cyclic variation of the ratch. (The number of gearing flutes on the fluted rollers should be as high as possible and on drawing frames with several pairs of rollers it should increase in the direction of drawing to further secure a safe grip on the thinning fibre layers. Teeth of isosceles triangle cross section, adequately chamfered, give the best results. Tooth height and overlap should be selected to conform with the above.

SPERLING, E.<sup>S.</sup>; BOJTAR, P.

Prestretching combing process. p. 95. No. 3,  
March, 1956. MAGYAR TEXTILTECHNIKA. Budapest.

SOURCE: East European Accessions List, (EEAL) Library  
of Congress, Vol. 5, No. 8, August, 1956.

GIN GOLD, N.; SPERLING, T., ROMANESCU, Eva; BUZI, Elisabeta

Anomalies of the "Pelger homozygote" type associated with other nuclear and cytoplasmic malformations, in a case of acute paramyeloblastic leukemia. Stud. cercet. med. intern. 5 no.2:191-195 '64.

SPERROU, A.G.

USSR/Plant Physiology

Growth and development

H-5

Abs Jour : Referat. Zh - Biol., No 6, 25 March 1957, 22399

Author : Sperrou, A.G., Gankel, Dzh. E.

Inst : Not given

Title : The effect of prolonged irradiation by cobalt gamma-rays on plant development.

Orig Pub : V sb.: Primenenie radioaktivnykh izotopov v prom-sti, meditsine i s. kh., M., AN SSSR, 1956, 490-509

Abstract : For study of the effect of  $\gamma$ -rays on plants the Brookhaven Laboratory (USA) used in nurseries a source with 1.5-4 curies intensity, and on fields of 1 and 3.5 hectares - a source with 16-1800 curies intensity. The plant irradiation was conducted during 20 hours of the 24; the remaining 4 hours were spent in care of plants and observation. Plants with very large chromosomes are particularly sensitive to irradiation. Polyploid species within the same family are less sensitive than diploids. Under some irradiation dosages a growth stimulation was observed in the garden snapdragon (*Antirrhinum majus*) and hybrid *Nicotiana glauca* x *N. Langsdorffii*. The morphological changes in roots, stems, leaves, buds and flowers are de-

Card 1/2

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*ca*

Mixing of coal gas with natural gas. Roisman, Sigmund.  
Gas, Woda i Tech. Sanit., 22, 373-83(1948).--A discussion  
of conditions and tech. problems. T. R. Zegree

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662.69

Sperski B., Obidowicz L. Experiments with the Combustion of Natural Gas in Gas Appliances.

„Proby spalania gazu ziemnego w przewodach gazowych”. GAZ, Woda i Technika Sanitarna. No. 7-8, 1951, pp. 206-209, 3 tabs.

The problem of using natural gas or mixtures of natural gas with air, coal gas and other gases is of paramount interest in Poland. Transition from coal gas to other gases having different combustion and thermal properties. Table of technical properties of various com-

combustible gases. Attempts intended to increase the pressure of gas in the mains by feeding an independent mains system exclusively with an air-gas mixture of sufficiently high pressure. Test results of burning natural gas and natural gas-and-air mixtures in domestic hot-plates. The necessity of effecting modifications in the design of burners and jets.

SPERSKI, B.

"Problem of calculating production cost in the gas industry," Gaz, Woda I Technika Sanitarna, Warszawa, Vol 28, No 6, June 1954, p. 165.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

SPERSKI, D.

"Problems of Gas Manufacturing Plants," P. 226. (GAZ, WODA I TECHNIKA SANITARNA, Vol. 28, No. 8, Aug. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.



SPERSKI, B.; ZABINSKI, Z.

Calculating prime cost of pitch and by-products in the gas industry,  
p. 38, (GAZ, WODA I TECHNIKA SANITARNA, Vol. 29, No. 2, Feb. 1955,  
Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5  
May 1955, Uncl.

Sperski, B.

1489. DESULPHURIZATION OF GASES UNDER PRESSURE. Sperski, B. (Gaz.  
Hoda, Tech. Sanit. (Gas, Water, Sanit. Engng. Warsaw), May 1956, vol. 30, 164.  
167; abstr. in Ass. tech. Industr. gaz France Circ. bibliogr., 15 July 1956.  
(7) 19). Principles of wet or dry purification are considered and apparatus  
such as the Bischoff operating under pressure are described and their  
advantages outlined.

SIERSKI, P.

Modern method of gas production and raw-materials management. p. 107.

GAX, WODA I TECHNIKA SANITARNA. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland.  
Vol. 33, no. 3, March 1959.

Monthly List of East European Accessions ERAI LC, Vol. 8, no. 7, July 1959.

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SPERSKI, Boleslaw; STUCHLY, Janusz

The city of Krakow gas-pipe network as an example of ways of increasing the transfer capacity of such installations. Gaz woda tech sanit 36 no.6:202-203 Je '62.

1. Zaklady Gazownictwa Okregu Krakowskiego, Krakow.

SPERSKI, Boleslaw; ZAWISZA, Jan

Use of natural gas in industry and in the gas for general  
use. Koks 9 no. 1: 17-23 Ja-F '64.

1ST AND 2ND ORDERS		3RD AND 4TH ORDERS	
PROCESSING AND PROPERTIES INDEX			
SPERSKI, P.			
<p>331. MIXTURE OF COAL GAS WITH NATURAL GAS. Sperski, P. (Woda Technika Sanitarna, Dec. 1948, (12), 373-383; abstr. in Circ. Bibl. Ass. Tech. Industr. Gas). Replacing coal gas by an air-natural gas mixture for distribution is discussed e.g. the distribution of a ternary air-natural gas-coal gas mixture at Cracow. The problems of partial substitution of natural gas for coal gas in appliances are studied.</p>			
<p>ABSTRACTS OF METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>STONY BOWLING</p>			

ALLEN, E.; MINTON, S.

Initial training of track service workers in industrial safety and hygiene. p. 114.

PRZEGLAD KOLEJOWY DROGOWY. (Wydawnictwa Komunikacyjne) Warszawa, Poland.  
Vol. 11, no. 6, June 1959.

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Uncl.



SPESHILOV, M.D. [Spieshylov, M.D.]

Interrepublic scientific and technical conference of the  
representatives of canned milk industries. Khar.prom.  
no.2:89-90 Ap-Je '62. (MIRA 15:9)  
(Milk, Canned)

SPESHILOVA, G.A.

[Systematic observation of the physical development of children  
in nurseries] O sistematicheskoy nabludenii za fizicheskim  
razvitiem detei v iasliakh. Alma-Ata, 1955. 14 p. (MLRA 10:4)  
(CHILD STUDY)

SPESHNIKOVA, G. A.

SPESHNIKOVA, G. A.: "Physical work and some problems of the technique of physical training of children in the creches of the city of Alma-Ata." State Central Order of Lenin Inst of Physical Culture imeni I. V. Stalin. Alma-Ata, 1956. (Dissertation For the Degree of Candidate in Pedagogical Sciences.)

Knizhnaya letopis', No. 39, 1956. Moscow.

135-58-8-19/20

AUTHOR: Strel'tsova, Ye. M., Head of the Technical Information Section

TITLE: The Sverdlovsk Regional Conference on Gas-Flame Metal Working and Electric-Gas Processes (Sverdlovskoye oblastnoye soveshchaniye po gazoplamennoy obrabotke metallov i elektrogazovym protsessam)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 8, pp 46 - 47 (USSR)

ABSTRACT: A regional Conference on work done in the field of gas-flame metal working and electric-gas processes was convened at Sverdlovsk from May 14 - 16 by VNIIAvtogen, together with the welding section of the Sverdlovsk NTO section of Mashprom, the Ural House of Engineering and the Technical Administration of the Sverdlovsk sovnarkhoz. About 200 representatives from Sverdlovsk enterprises and other Ural and Siberian sovnarkhozes were present. The Conference was opened by S. I. Kikhaylov, Candidate of Technical Sciences, with an introductory report on problems relating to the improvement of gas-flame working of metals and new efficient processes connected with industrial reorganization. The Conference then heard the following reports: I.A. Antonov, Candidate of Technical Sciences, on the state of gas-flame working in the USSR and

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The Sverdlovsk Regional Conference on Gas-Flame Metal Working and Electric-Gas Processes

abroad; S. G. Guзов, Engineer, on new machines and equipment for oxygen cutting; I. V. Speshkov, engineer, on the application of gas-flame metal working at Uralmashzavod; I. S. Shapiro, engineer, on new methods of metal cutting; Yu. A. Maslov, engineer, on air-arc metal cutting; G. V. Chepushtanov, engineer, on work done in the field of gas-flame metal working at Uralkhimmashzavod; V. K. Deykun, engineer, on a "UGV" device for hardening small-module gears; G. V. Proskuryakov on manual and machine oxygen cutting; G. A. Asinovskaya, engineer, on automation of gas-flux welding; B. V. Konopka, engineer, on oxygen-flux and oxygen-sand cutting; Ye. V. Antoshin, engineer, on plastic, ceramic and metal coating; V. V. Bykov, chief

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135-58-8-19/20

The Sverdlovsk Regional Conference on Gas-Flame Metal Working and Electric-Gas Processes

technologist, on new equipment produced by the first Moscow Autogenous Plant; V. Ye. Kuryshv on new generator and kerosene-cutter designs. The Conference decided to take measures to develop gas-flame metal working.

ASSOCIATION: VNIIAvtogen

1. Welding--Conference

Card 3/3

NUMANOV, I.U.; GAL'PERIN, G.D.; KARAULOVA, Ya.N.; BESINGER, N.N.; CHAIKO,  
V.P.; SKOBELINA, A.I.; SPEDHILOVA, T.V.

Composition, properties, and methods of extraction of hetero-  
atomic components from the petroleum of southern Central Asia.  
Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol.nauk no.6:31-35  
'63. (MIRA 18:1)

1. Khimicheskiy institut AN Tadzhikskoy SSR.

SPESHKOV, V. V.

UZYUMOV, P.N., gazorezchik; GALAKTIONOV, A.T., kandidat tekhnicheskikh nauk, redaktor; SPESHKOV, V.V., inzhener, retsenzent; DUGINA, N.A., tekhnicheskii redaktor.

[An aid for the gas cutter] V pomoshch' rabochemu-gazorezchiku. Pod red. A.T.Galaktinova. Moskva, Gos. nauchno-tekhn. izd-vo mashinstroit. i sudostroit. lit-ry, 1953. 28 p. (MIRA 7:9)  
(Oxyacetylene welding and cutting)



**SPESHKOV, V.V.**

[Progressive results of gas cutting of metals; practice of the Ural Machine Works] *Peredovoi opyt gazovoi rezki metallov. Iz praktiki Uralmashzavoda. Moskva-Sverdlovsk, Mashgiz, 1953. 36 p. (MLBA 7:11D)*

S/123/59/000/007/005/014  
A004/A001

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, No. 7,  
p. 113, # 25229

AUTHOR: Speshkov, V.V.

TITLE: Determining the Conditions of Flame Surface Hardening 18

PERIODICAL: Sb. statey. Urals'skiy z-d tyazh. mashinostr. im. S.  
Ordzhonikidze, 1958, No. 6, pp. 41 - 49

TEXT: The author suggests the following formula for the calculation of the necessary travel speed of the burner during the progressive method of flame surface hardening:  $v = kVq/x\beta aT$ , where  $v$  = travel speed of the burner, mm/min;  $V$  = gas fuel consumption, m<sup>3</sup>/hour;  $q$  = calorific value of fuel, kcal/m<sup>3</sup>;  $x$  = depth of the hardened layer, cm;  $a$  = coefficient of thermal diffusivity, cm<sup>2</sup>/sec;  $T$  = heating temperature during hardening;  $\beta$  = a coefficient which increases with the reduction in wall thickness of the component to be hardened;  $k$  = coefficient of dimensionality. For practical calculations a nomogram is suggested. The calculation method has

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GALAKTIONOV, A.T.; DENISOV, Yu.A.; KOPYTOV, G.T.; MASLOV, Yu.A.; NIKONOV, I.P.; PETUNIN, I.V.; KOCHEVA, G.N.; KUZNETSOV, A.P.; LELEKO, N.M.; RAZIKOV, M.I.; SPESHKOV, V.V.; STEPANOV, B.V.; STEPANOV, V.V.; kand. tekhn. nauk; SHELOMOV, B.Ye.; YUNYSHEV, G.P.; YES'KOV, K.A., dots., retsenzent; BAKSHI, O.A., dots., retsenzent; BEREZKIN, P.N., dots., retsenzent; PATSKEVICH, I.R., dots., retsenzent; RUDAKOV, A.S., dots., retsenzent; FIZHBEYN, N.B., inzh., retsenzent; KHRUSTALEV, L.Ya., inzh., retsenzent; KRUTIKHOVSKIY, V.G., inzh., red. BOBROV, Ye.I., kand. tekhn. nauk, red. DUGINA, N.A., tekhn. red.

[Welding handbook] Spravochnik rabocheho-svarshchika. Pod red. V.V.Stepanova. Moskva, gos. nauchno-tekhnizd-vo mashinostroit. lit-ry, 1960. 640 p. (MIRA 14:6)

(Welding)

107-57-3-54/64

**AUTHOR:** Chazov, O., and Speshkova, A.

**TITLE:** A Stroboscopic Tachometer (Stroboskopicheskiy takhometer)

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**ABSTRACT:** A description is presented of a stroboscopic tachometer for measuring 150-9,600 rpm or 2.5-160 cps. The above range is subdivided into six sub-ranges. Measurement error is  $\pm 1\%$  of the upper limit of the dial on each sub-range. The tachometer can be operated continuously for eight hours, preserving its technical characteristics. Permissible power-supply voltage fluctuations are  $\pm 5\%$ ,  $-15\%$ . Power consumption is about 100 watts. Dimensions: 350 x 230 x 210 mm; weight about 9 kg. The instrument consists of a master oscillator, a forming device, a final power stage, and a power-supply unit. The master oscillator is designed with 6Zh8 and 6P6S tubes, and has a two-stage RC circuit with automatically stabilized amplitude. The forming device, designed with 6N9S and 6N8S tubes, converts sinusoidal voltage into rectangular pulses with a controllable pulse duty factor. The final power stage is designed with a 6N5S tube, whose both triodes are connected in parallel. A type SN-2

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The influence of Askania rams of various types on the wool  
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